

Title (en)

Seal for plug valve

Title (de)

Dichtung für einen Hahn

Title (fr)

Joint d'étanchéité pour robinet

Publication

EP 1098118 A3 20010516 (EN)

Application

EP 00123919 A 20001103

Priority

US 43597899 A 19991108

Abstract (en)

[origin: EP1098118A2] A cylindrically curved rectangular face seal (10) is provided for a cross-ported barrel type rotary valve member (38). The seal has a central flow orifice therethrough with an annular raised rib formed about the orifice and extending in a radial direction from the concave inner face of the seal. The opposite edges of the seal extending in an axial direction each have a notch or rib (20,24) thereon for axial sliding engagement in grooves provided in the valve body. The annular rib about the orifice accommodates dimensional variation in the valve parts to ensure a rotary sliding seal on the rotary valve member. <IMAGE>

IPC 1-7

F16K 5/04

IPC 8 full level

F16K 5/02 (2006.01); **F16K 5/04** (2006.01)

CPC (source: EP US)

F16K 5/0264 (2013.01 - EP US); **F16K 5/0464** (2013.01 - EP US); **Y10T 137/86823** (2015.04 - EP US); **Y10T 137/86863** (2015.04 - EP US)

Citation (search report)

- [Y] US 2310583 A 19430209 - JOHNSON CHARLES F
- [Y] US 3916950 A 19751104 - MONGERSON PAUL A, et al
- [A] US 4815704 A 19890328 - BERCHEM RUTGER [DE]
- [A] US 4883253 A 19891128 - HASHIMOTO MITSU HARU [JP], et al
- [A] US 3698687 A 19721017 - KITAMURA MASARU

Cited by

US6854710B2; WO2023169669A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1098118 A2 20010509; **EP 1098118 A3 20010516**; CA 2324659 A1 20010508; CA 2324659 C 20060919; MX PA00010942 A 20020523; US 6361051 B1 20020326

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